

## EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
S1	17	"5748189"	US-PGPUB; USPAT; EPO	ADJ	ON	2007/09/25 07:51
S2	1	("5748189").PN.	US-PGPUB; USPAT; EPO	OR	OFF	2007/09/24 17:04
S3	1	("5886697").PN.	US-PGPUB; USPAT; EPO	OR	OFF	2007/09/25 13:42
S4	1	("20010004254").PN.	US-PGPUB; USPAT; EPO	OR	OFF	2007/09/24 18:54
S5	1	("6219028").PN.	US-PGPUB; USPAT; EPO	OR	OFF	2007/09/24 17:38
S6	1	("5859638").PN.	US-PGPUB; USPAT; EPO	OR	OFF	2007/09/24 17:39
S7	1	("6219028").PN.	US-PGPUB; USPAT; EPO	OR	OFF	2007/09/24 17:39
S8	3136	joining same screen\$1	US-PGPUB; USPAT; EPO	ADJ	ON	2007/09/24 18:54
S9	559	joining near4 screen\$1	US-PGPUB; USPAT; EPO	ADJ	ON	2007/09/24 18:55
S10	436	joining near3 screen\$1	US-PGPUB; USPAT; EPO	ADJ	ON	2007/09/24 18:55
S11	4111	345/157	US-PGPUB; USPAT; EPO	ADJ	ON	2007/09/25 07:55
S12	1	join\$4 near4 screen\$1 same pda same computer	US-PGPUB; USPAT; EPO	ADJ	ON	2007/09/25 07:54
S13	3	join\$4 near5 screen\$1 same pda	US-PGPUB; USPAT; EPO	ADJ	ON	2007/09/25 07:54
S14	239	S11 and multi\$2 same screen\$1	US-PGPUB; USPAT; EPO	ADJ	ON	2007/09/25 08:12
S15	3	multi near3 screen same file near3 transfer	US-PGPUB; USPAT; EPO	ADJ	ON	2007/09/25 08:16

## EAST Search History

S16	85	join\$5 same (multi near3 screen)	US-PGPUB; USPAT; EPO	ADJ	ON	2007/09/25 08:16
S17	2	joining two computers	US-PGPUB; USPAT; EPO	ADJ	ON	2007/09/25 08:37
S18	28	"5886697"	US-PGPUB; USPAT; EPO	ADJ	ON	2007/09/25 08:39
S20	1	("20020060701").PN.	US-PGPUB; USPAT; EPO	OR	OFF	2007/09/25 09:38
S21	1	("5524195").PN.	US-PGPUB; USPAT; EPO	OR	OFF	2007/09/25 08:41
S22	1	("20050044250").PN.	US-PGPUB; USPAT; EPO	OR	OFF	2007/09/25 08:46
S24	5702	multi\$3 near3 screen same display	US-PGPUB; USPAT; EPO	ADJ	ON	2007/09/25 08:48
S25	4256	multi\$3 near3 screen with display	US-PGPUB; USPAT; EPO	ADJ	ON	2007/09/25 08:48
S26	65	multi\$3 near3 screen with display same pda	US-PGPUB; USPAT; EPO	ADJ	ON	2007/09/25 09:14
S27	1	("20030227745").PN.	US-PGPUB; USPAT; EPO	OR	OFF	2007/09/25 09:15
S28	1	("20040085328").PN.	US-PGPUB; USPAT; EPO	OR	OFF	2007/09/25 09:17
S29	1	("5745710").PN.	US-PGPUB; USPAT; EPO	OR	OFF	2007/09/25 09:17
S31	1	("6344861").PN.	US-PGPUB; USPAT; EPO	OR	OFF	2007/09/25 09:18
S32	30	(compound or joined) screen same display	US-PGPUB; USPAT; EPO	ADJ	ON	2007/09/25 09:45
S33	1	("20030227745").PN.	US-PGPUB; USPAT; EPO	OR	OFF	2007/09/25 09:46

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S34	1	("20040085328").PN.	US-PGPUB; USPAT; EPO	OR	OFF	2007/09/25 09:46
S35	1	("6018340").PN.	US-PGPUB; USPAT; EPO	OR	OFF	2007/09/25 09:58
S36	1	("20020060701").PN.	US-PGPUB; USPAT; EPO	OR	OFF	2007/09/25 09:58

Titles of most frequently occurring classifications of patents returned  
from a search of 10571503 on Sep 25 , 2007

- 6 348/E5.102 (0 OR, 6 XR)  
Class 348 TELEVISION  
348/E5.001 .DETAILS OF TELEVISION SYSTEMS (EPO)  
348/E5.096 ..Receiver circuitry (EPO)  
348/E5.099 ...For displaying additional information (EPO)  
348/E5.102 ....For displaying or controlling a single function of one  
single apparatus, e.g., TV receiver or VCR (EPO)
- 6 348/E5.103 (0 OR, 6 XR)  
Class 348 TELEVISION  
348/E5.001 .DETAILS OF TELEVISION SYSTEMS (EPO)  
348/E5.096 ..Receiver circuitry (EPO)  
348/E5.099 ...For displaying additional information (EPO)  
348/E5.103 ....The additional information being controlled by a remote  
control apparatus (EPO)
- 6 348/E5.105 (0 OR, 6 XR)  
Class 348 TELEVISION  
348/E5.001 .DETAILS OF TELEVISION SYSTEMS (EPO)  
348/E5.096 ..Receiver circuitry (EPO)  
348/E5.099 ...For displaying additional information (EPO)  
348/E5.105 ....Menu-type displays (EPO)
- 6 348/E5.108 (0 OR, 6 XR)  
Class 348 TELEVISION  
348/E5.001 .DETAILS OF TELEVISION SYSTEMS (EPO)  
348/E5.096 ..Receiver circuitry (EPO)  
348/E5.108 ...For the reception of a digital modulated video signal  
(EPO)
- 6 348/E7.071 (0 OR, 6 XR)  
Class 348 TELEVISION  
348/E7.001 .TELEVISION SYSTEMS (EPO)  
348/E7.054 ..Secrecy systems; Subscription systems (EPO)  
348/E7.069 ...With two-way working, e.g., subscriber sending a program  
selection signal (EPO)  
348/E7.07 ....Transmission or handling of upstream communications  
(EPO)  
348/E7.071 .....Direct or substantially direct transmission and  
handling of requests (EPO)
- 6 719/328 (0 OR, 6 XR)  
Class 719 ELECTRICAL COMPUTERS AND DIGITAL PROCESSING SYSTEMS:  
INTERPROGRAM COMMUNICATION OR INTERPROCESS COMMUNICATION (IPC)  
719/328 .APPLICATION PROGRAM INTERFACE (API)
- 5 345/7 (1 OR, 4 XR)  
Class 345 COMPUTER GRAPHICS PROCESSING AND SELECTIVE VISUAL DISPLAY  
SYSTEMS  
345/7 .IMAGE SUPERPOSITION BY OPTICAL MEANS (E.G., HEADS-UP  
DISPLAY)
- 4 715/764 (2 OR, 2 XR)  
Class 715 DATA PROCESSING: PRESENTATION PROCESSING OF DOCUMENT,  
OPERATOR INTERFACE PROCESSING, AND SCREEN SAVER DISPLAY PROCESSING  
715/700 .OPERATOR INTERFACE (E.G., GRAPHICAL USER INTERFACE)  
715/764 ..On-screen workspace or object
- 4 715/781 (0 OR, 4 XR)

Class 715 DATA PROCESSING: PRESENTATION PROCESSING OF DOCUMENT,  
 OPERATOR INTERFACE PROCESSING, AND SCREEN SAVER DISPLAY PROCESSING  
 715/700 .OPERATOR INTERFACE (E.G., GRAPHICAL USER INTERFACE)  
 715/764 ..On-screen workspace or object  
 715/781 ...Window or viewpoint

3 345/156 (0 OR, 3 XR)  
 Class 345 COMPUTER GRAPHICS PROCESSING AND SELECTIVE VISUAL DISPLAY  
 SYSTEMS 345/156 .DISPLAY PERIPHERAL INTERFACE INPUT DEVICE

3 715/745 (3 OR, 0 XR)  
 Class 715 DATA PROCESSING: PRESENTATION PROCESSING OF DOCUMENT,  
 OPERATOR INTERFACE PROCESSING, AND SCREEN SAVER DISPLAY PROCESSING  
 715/700 .OPERATOR INTERFACE (E.G., GRAPHICAL USER INTERFACE)  
 715/733 ..For plural users or sites (e.g., network)  
 715/744 ...Interface customization or adaption (e.g., client server)  
 715/745 ....Based on stored usage or user profile (e.g., frequency  
 of use, cookies)

3 715/839 (0 OR, 3 XR)  
 Class 715 DATA PROCESSING: PRESENTATION PROCESSING OF DOCUMENT,  
 OPERATOR INTERFACE PROCESSING, AND SCREEN SAVER DISPLAY PROCESSING  
 715/700 .OPERATOR INTERFACE (E.G., GRAPHICAL USER INTERFACE)  
 715/764 ..On-screen workspace or object  
 715/810 ...Menu or selectable iconic array (e.g., palette)  
 715/835 ....Selectable iconic array  
 715/839 .....Imitating real life object

2 709/203 (1 OR, 1 XR)  
 Class 709 ELECTRICAL COMPUTERS AND DIGITAL PROCESSING SYSTEMS:  
 MULTICOMPUTER DATA TRANSFERRING  
 709/201 .DISTRIBUTED DATA PROCESSING  
 709/203 ..Client/server

2 345/503 (0 OR, 2 XR)  
 Class 345 COMPUTER GRAPHICS PROCESSING AND SELECTIVE VISUAL DISPLAY  
 SYSTEMS 345/501 .COMPUTER GRAPHIC PROCESSING SYSTEM  
 345/502 ..Plural graphics processors  
 345/503 ...Coprocessor (e.g., graphic accelerator)

2 715/790 (0 OR, 2 XR)  
 Class 715 DATA PROCESSING: PRESENTATION PROCESSING OF DOCUMENT,  
 OPERATOR INTERFACE PROCESSING, AND SCREEN SAVER DISPLAY PROCESSING  
 715/700 .OPERATOR INTERFACE (E.G., GRAPHICAL USER INTERFACE)  
 715/764 ..On-screen workspace or object  
 715/781 ...Window or viewpoint  
 715/788 ....Layout modification (e.g., move or resize)  
 715/790 .....Overlap control

2 345/531 (1 OR, 1 XR)  
 Class 345 COMPUTER GRAPHICS PROCESSING AND SELECTIVE VISUAL DISPLAY  
 SYSTEMS 345/530 .COMPUTER GRAPHICS DISPLAY MEMORY SYSTEM  
 345/531 ..Graphic display memory controller

2 715/977 (0 OR, 2 XR)  
 Class 715 DATA PROCESSING: PRESENTATION PROCESSING OF DOCUMENT,  
 OPERATOR INTERFACE PROCESSING, AND SCREEN SAVER DISPLAY PROCESSING  
 715/977 .DYNAMIC ICON (E.G., ANIMATED OR LIVE ACTION)

2 715/804 (1 OR, 1 XR)

Class 715 DATA PROCESSING: PRESENTATION PROCESSING OF DOCUMENT,  
 OPERATOR INTERFACE PROCESSING, AND SCREEN SAVER DISPLAY PROCESSING  
 715/700 .OPERATOR INTERFACE (E.G., GRAPHICAL USER INTERFACE)  
 715/764 ..On-screen workspace or object  
 715/781 ...Window or viewpoint  
 715/804 ....Interwindow link or communication

2 345/543 (2 OR, 0 XR)  
 Class 345 COMPUTER GRAPHICS PROCESSING AND SELECTIVE VISUAL DISPLAY  
 SYSTEMS  
 345/530 .COMPUTER GRAPHICS DISPLAY MEMORY SYSTEM  
 345/543 ..Memory allocation

2 345/501 (1 OR, 1 XR)  
 Class 345 COMPUTER GRAPHICS PROCESSING AND SELECTIVE VISUAL DISPLAY  
 SYSTEMS  
 345/501 .COMPUTER GRAPHIC PROCESSING SYSTEM

2 715/769 (2 OR, 0 XR)  
 Class 715 DATA PROCESSING: PRESENTATION PROCESSING OF DOCUMENT,  
 OPERATOR INTERFACE PROCESSING, AND SCREEN SAVER DISPLAY PROCESSING  
 715/700 .OPERATOR INTERFACE (E.G., GRAPHICAL USER INTERFACE)  
 715/764 ..On-screen workspace or object  
 715/769 ...Data transfer operation between objects (e.g., drag and  
 drop)

2 345/168 (0 OR, 2 XR)  
 Class 345 COMPUTER GRAPHICS PROCESSING AND SELECTIVE VISUAL DISPLAY  
 SYSTEMS  
 345/156 .DISPLAY PERIPHERAL INTERFACE INPUT DEVICE  
 345/168 ..Including keyboard

2 348/121 (0 OR, 2 XR)  
 Class 348 TELEVISION  
 348/61 .SPECIAL APPLICATIONS  
 348/121 ..Simulator

2 348/E13.041 (0 OR, 2 XR)  
 Class 348 TELEVISION  
 348/E13.001 .STEREOSCOPIC TELEVISION SYSTEMS; DETAILS THEREOF (EPO)  
 348/E13.002 ..Systems where the three-dimensional effect is obtained by  
 means of at least two 2D image signals from different viewpoint locations  
 representing the interocular distance (EPO)  
 348/E13.026 ...Stereoscopic image displaying (EPO)  
 348/E13.036 ....For viewing by the user with the aid of special glasses  
 or head mounted displays (HMD), i.e., stereoscopic displaying (EPO)  
 348/E13.041 .....With head mounted left-right displays (EPO)

2 718/107 (1 OR, 1 XR)  
 Class 718 ELECTRICAL COMPUTERS AND DIGITAL PROCESSING SYSTEMS: VIRTUAL  
 MACHINE TASK OR PROCESS MANAGEMENT OR TASK MANAGEMENT/CONTROL  
 718/100 .TASK MANAGEMENT OR CONTROL  
 718/102 ..Process scheduling  
 718/107 ...Multitasking, time sharing

2 348/E13.059 (0 OR, 2 XR)  
 Class 348 TELEVISION  
 348/E13.001 .STEREOSCOPIC TELEVISION SYSTEMS; DETAILS THEREOF (EPO)  
 348/E13.002 ..Systems where the three-dimensional effect is obtained by  
 means of at least two 2D image signals from different viewpoint locations  
 representing the interocular distance (EPO)  
 348/E13.026 ...Stereoscopic image displaying (EPO)  
 348/E13.059 ....Synchronization or controlling aspects (EPO)

2 348/E13.071 (0 OR, 2 XR)  
 Class 348 TELEVISION  
 348/E13.001 .STEREOSCOPIC TELEVISION SYSTEMS; DETAILS THEREOF (EPO)  
 348/E13.002 ..Systems where the three-dimensional effect is obtained by  
 means of at least two 2D image signals from different viewpoint locations  
 representing the interocular distance (EPO)  
 348/E13.06 ...Stereoscopic image signal coding, multiplexing,  
 processing, recording or transmission (EPO)  
 348/E13.071 ....Transmission of stereoscopic image signals (EPO)

2 707/4 (2 OR, 0 XR)  
 Class 707 DATA PROCESSING: DATABASE AND FILE MANAGEMENT OR DATA  
 STRUCTURES  
 707/1 .DATABASE OR FILE ACCESSING  
 707/3 ..Query processing (i.e., searching)  
 707/4 ...Query formulation, input preparation, or translation

2 707/2 (0 OR, 2 XR)  
 Class 707 DATA PROCESSING: DATABASE AND FILE MANAGEMENT OR DATA  
 STRUCTURES  
 707/1 .DATABASE OR FILE ACCESSING  
 707/2 ..Access augmentation or optimizing

2 707/E17.005 (0 OR, 2 XR)  
 Class 707 DATA PROCESSING: DATABASE AND FILE MANAGEMENT OR DATA  
 STRUCTURES  
 707/E17.001 .INFORMATION RETRIEVAL; DATABASE STRUCTURES THEREFORE (EPO)  
 707/E17.005 ..Interfaces; database management systems; updating (EPO)

2 345/163 (1 OR, 1 XR)  
 Class 345 COMPUTER GRAPHICS PROCESSING AND SELECTIVE VISUAL DISPLAY  
 SYSTEMS  
 345/156 .DISPLAY PERIPHERAL INTERFACE INPUT DEVICE  
 345/157 ..Cursor mark position control device  
 345/163 ...Mouse

2 711/203 (2 OR, 0 XR)  
 Class 711 ELECTRICAL COMPUTERS AND DIGITAL PROCESSING SYSTEMS: MEMORY  
 711/200 .ADDRESS FORMATION  
 711/202 ..Address mapping (e.g., conversion, translation)  
 711/203 ...Virtual addressing

2 711/173 (0 OR, 2 XR)  
 Class 711 ELECTRICAL COMPUTERS AND DIGITAL PROCESSING SYSTEMS: MEMORY  
 711/100 .STORAGE ACCESSING AND CONTROL  
 711/170 ..Memory configuring  
 711/173 ...Memory partitioning

2 719/310 (1 OR, 1 XR)  
 Class 719 ELECTRICAL COMPUTERS AND DIGITAL PROCESSING SYSTEMS:  
 INTERPROGRAM COMMUNICATION OR INTERPROCESS COMMUNICATION (IPC)  
 719/310 .MISCELLANEOUS

2 345/158 (2 OR, 0 XR)  
 Class 345 COMPUTER GRAPHICS PROCESSING AND SELECTIVE VISUAL DISPLAY  
 SYSTEMS  
 345/156 .DISPLAY PERIPHERAL INTERFACE INPUT DEVICE  
 345/157 ..Cursor mark position control device  
 345/158 ...Including orientation sensors (e.g., infrared,  
 ultrasonic, remotely controlled)

2 709/201 (0 OR, 2 XR)

Class 709 ELECTRICAL COMPUTERS AND DIGITAL PROCESSING SYSTEMS:  
 MULTICOMPUTER DATA TRANSFERRING  
 709/201 .DISTRIBUTED DATA PROCESSING

2 719/327 (0 OR, 2 XR)  
 Class 719 ELECTRICAL COMPUTERS AND DIGITAL PROCESSING SYSTEMS:  
 INTERPROGRAM COMMUNICATION OR INTERPROCESS COMMUNICATION (IPC)  
 719/321 .DEVICE DRIVER COMMUNICATION  
 719/327 ..Device driver configuration

2 345/8 (1 OR, 1 XR)  
 Class 345 COMPUTER GRAPHICS PROCESSING AND SELECTIVE VISUAL DISPLAY  
 SYSTEMS  
 345/7 .IMAGE SUPERPOSITION BY OPTICAL MEANS (E.G., HEADS-UP  
 DISPLAY)  
 345/8 ..Operator body-mounted heads-up display (e.g., helmet  
 mounted display)



# US PATENT & TRADEMARK OFFICE

## PATENT APPLICATION FULL TEXT AND IMAGE DATABASE



Searching PGPUB Production Database...

### Results of Search in PGPUB Production Database for:

**CCL/345/157 AND ABST/SCREEN AND ABST/JOIN: 331 applications.**

*Hits 1 through 50 out of 331*

Next 50 Hits

Jump To

Refine Search

CCL/345/157 AND ABST/SCREEN AND ABST/JOIN

PUB. APP. NO.	Title
1 <a href="#">20070220449</a>	<a href="#">Method and device for fast access to application in mobile communication terminal</a>
2 <a href="#">20070211031</a>	<a href="#">TOUCHLESS TABLET METHOD AND SYSTEM THEREOF</a>
3 <a href="#">20070209024</a>	<a href="#">ON-SCREEN DIAGONAL CURSOR NAVIGATION ON A HANDHELD COMMUNICATION DEVICE HAVING A REDUCED ALPHABETIC KEYBOARD</a>
4 <a href="#">20070195060</a>	<a href="#">Cursor Management System</a>
5 <a href="#">20070188449</a>	<a href="#">Pointing device user interface method, medium, and system robust against external noise</a>
6 <a href="#">20070186191</a>	<a href="#">Method of visualizing a pointer during interaction</a>
7 <a href="#">20070176897</a>	<a href="#">Tray mounted cursor control input device for integration with computer keyboard</a>
8 <a href="#">20070176896</a>	<a href="#">3D Pointing devices with keyboards</a>
9 <a href="#">20070171201</a>	<a href="#">Computer input device</a>
10 <a href="#">20070168888</a>	<a href="#">Method and software for navigation of data on a device display</a>
11 <a href="#">20070157090</a>	<a href="#">Timescale selection window for temporal selection in computer applications</a>
12 <a href="#">20070146320</a>	<a href="#">INFORMATION INPUT SYSTEM</a>
13 <a href="#">20070146319</a>	<a href="#">Autonomic control of calibration for pointing device</a>
14 <a href="#">20070146318</a>	<a href="#">Pointing device with an integrated optical structure</a>
15 <a href="#">20070139374</a>	<a href="#">Pointing device adapted for small handheld devices</a>
16 <a href="#">20070139373</a>	<a href="#">WIRELESS HANDHELD DEVICE AND METHOD WITH REMOTE GUI CONTROL</a>
17 <a href="#">20070132728</a>	<a href="#">Status sensing mechanism and the cursor-control device applying the same</a>
18 <a href="#">20070132727</a>	<a href="#">Apparatus and method for movement-based dynamic filtering of search results in a graphical user interface</a>

- 19 [20070126699](#) [Optical navigation device and method of operating the same](#)
- 20 [20070120824](#) [Producing display control signals for handheld device display and remote display](#)
- 21 [20070113206](#) [Document processing apparatus](#)
- 22 [20070103436](#) [Optical tracker with tilt angle detection](#)
- 23 [20070097074](#) [Portable information communication terminal](#)
- 24 [20070094618](#) [Multiple cursor system](#)
- 25 [20070094617](#) [Mobile communication terminal and method therefore](#)
- 26 [20070091068](#) [3D pointing devices with orientation compensation and improved usability](#)
- 27 [20070091067](#) [Driver circuit for driving a light source of an optical pointing device](#)
- 28 [20070091066](#) [Slide pad system and method with hybrid mode](#)
- 29 [20070091065](#) [Self-aligning pointing device having ESD protection](#)
- 30 [20070085827](#) [MOUTH-OPERATED COMPUTER INPUT DEVICE AND ASSOCIATED METHODS](#)
- 31 [20070085826](#) [Method of and system for evaluating tactile sensations of car seat covers using artificial neural network](#)
- 32 [20070085825](#) [Input-device movement to cursor movement correlator](#)
- 33 [20070080938](#) [METHOD AND APPARATUS FOR USE OF ROTATIONAL USER INPUTS](#)
- 34 [20070075968](#) [SYSTEM AND METHOD FOR SENSING THE POSITION OF A POINTING OBJECT](#)
- 35 [20070075967](#) [Image processing apparatus, storage medium having image processing program stored thereon, game apparatus and storage medium having game program stored thereon](#)
- 36 [20070070039](#) [Method for controlling data using mouse function in wireless terminal](#)
- 37 [20070063973](#) [Method for inputting letter using pointer for portable device and the portable device](#)
- 38 [20070052674](#) [Tactile feedback interface device including display screen](#)
- 39 [20070035514](#) [METHOD TO CREATE MULTIPLE ITEMS WITH A MOUSE](#)
- 40 [20070035513](#) [Preferred contact group centric interface](#)
- 41 [20070013657](#) [Easily deployable interactive direct-pointing system and calibration method therefor](#)
- 42 [20070002016](#) [Method and apparatus for inputting function of mobile terminal using user's grip posture while holding mobile terminal](#)
- 43 [20070002015](#) [Movement detection device and communication apparatus](#)
- 44 [20070002014](#) [Pointer for a large display](#)
- 45 [20070002013](#) [Input device using laser self-mixing velocimeter](#)
- 46 [20060290667](#) [Multi-function laser pointer mouse](#)
- 47 [20060290666](#) [Method and device for assisting searching for an item in a list by accelerated scrolling on a display device](#)
- 48 [20060290665](#) [Slide pad notebook pointing device with sealed spring system](#)
- 49 [20060290664](#) [Dual mode input device](#)
- 50 [20060288312](#) [Information processing apparatus and recording medium storing program](#)